

EP-1

NodeJS [Ryan Dahl], 2009

JS runtime built on Chrome's V8 Engine

- \* initially Firefox's SpiderMonkey was used.
- \* later V8 (Google chrome's)
- \* Ryan Dahl was hired by Joyent Company to build NodeJS.
- \* Earlier name of NodeJS was WebJS but later he changed it to NodeJS coz anything can be created by it.
- \* At that time there was Apache HTTP server & more which were blocking servers. So to solve this problem he had to make it non-blocking.

EP-2

\* NodeJS is a C++ code!!

\* V8 Engine is written in C++.

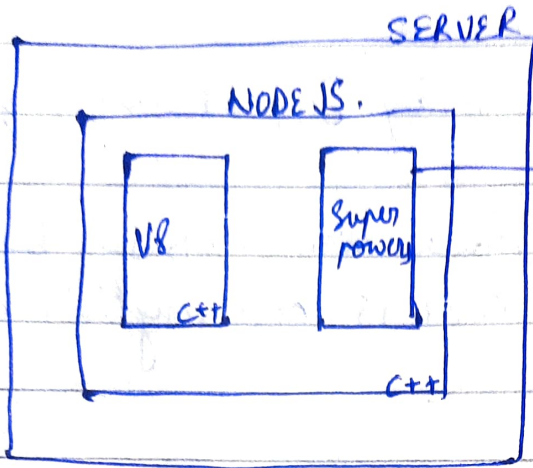
\* V8 can be embedded into any C++ prog.

→ JS → V8 (C++) → Machine lang.

→ So, they created NodeJS which is a C++ application with V8 embedded into it.

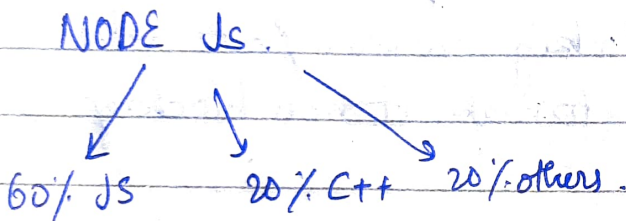
# ECMAScript → standard/rules for javascript.

All the JS Engines follow some standards that is ECMAScript.



→ API's on server for (Module) many operations

"Jo V8 ke base ki nhi hai"



here, 20% C++ refers to V8 & 60% JS to the super power (the APIs that are written in JS)

# Why V8 is a C++ code??

